



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/739,756	12/20/2000	Cheun-Song Lin	LIU 146	5418

23995 7590 07/16/2003

RABIN & CHAMPAGNE, PC
1101 14TH STREET, NW
SUITE 500
WASHINGTON, DC 20005

EXAMINER

TRUONG, LECHI

ART UNIT	PAPER NUMBER
----------	--------------

2126

DATE MAILED: 07/16/2003

3

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Applicati n N .

09/739,756

Applicant(s)

LIN ET AL.

Examiner

LeChi Truong

Art Unit

2126

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 20 December 2000.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-9 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-9 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____
- 4) ☐ Interview Summary (PTO-413) Paper No(s) _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. Claims 1, 2, 4, 6, 8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Admitted Prior Art (APA) in view of Stryker et al (US. Patent 6,460,099 B1).

As to claim 1, APA teaches external system parameter (external system parameter, page 1, ln 11-17), standard controlling procedure (the standard controlling sequence, page 1, ln 11-17), a non-standard controlling procedure (non-standard controlling sequences, page 1, ln 11-17), a standard defined cable (the data cable, page 1, ln 11-19, page 2, ln 1-7), an external machine (the system connected /the correspond device/ a data storage device, page 1, ln 11-19), an external connection box device (an external connection box device, page 2, ln 1-8), an external system(external system, page 1, ln 1-17), the specific message (extra message , page 1, ln 1-17), the normal message(original message, page 1 ln 1-17), accessing for monitoring the external system parameters(external system parameters can be monitored and controlled, page 1, ln 1-17).

APA does not teach a compatible environment, a specific software program, the same cable for the normal message and specific message, a condition of the external machine makes on affection to external connection box device, the specific message to be become into a reading stage and to an isolation stage. However, Stryker teaches an IBM compatible PC (col 3, ln 25-45/ col 6, ln 25-30), the PC system (col 3, ln 10-60, col 4, ln 8-67), a single channel interface ATA/ a single channel interface, col 3, ln 10-60, col 4, ln 8-67), an independence devices / the devices only one may be accessed at a time/ isolate the boot disk drive on a separate channel/ isolation logic, col 4, ln 7-67, col 5, ln 5-57), the driver/head register on said ATA mass storage devices,

Art Unit: 2126

reads the state of a detect logic ... accessing the newly inserted drive(col 5, ln 57-67 to col 6, ln 1-25).

It would have been obvious to apply the teaching of Stryker to APA in order to provide a single channel accesses to the drive is optimized and allows for greater compatibility with existing software utilities.

As to claim 2, APA teaches the defined message transferred from the cable, and to be accessing for monitoring the external system parameters (to transfer extra message ... connected the data cable to communicate with the correspond devices. Thus, external system parameter can be monitored and controlled, page 1, ln 11 -17).

APA does not teach a reading stag (read/ write function, col 7, ln 45-65), the cable (a single channel interface ATA/ a single channel interface, col 3, ln 10-60, col 4, ln 8-67), the driver/head register on said ATA mass storage devices, reads the state of a detect logic ... accessing the newly inserted drive (col 5, ln 57-67 to col 6, ln 1-25).

It would have been obvious to apply the teaching of Stryker to APA in order to provide a single channel accesses to the drive is optimized and allows for greater compatibility with existing software utilities.

As to claim 4, APA does not explicit teach the external machine can be hardware or software or ASIC or FPGA. However, Stryker teaches set-top devices, printer...(col 3, ln 10-21)/ a software driver (col 4, ln 7-27).

It would have been obvious to apply the teaching of Stryker to APA in order to provide a single channel accesses to the drive is optimized and allows for greater compatibility with existing software utilities.

Art Unit: 2126

As to the invention of claim 6, see the rejection of claim 4.

As to claim 8, APA does not teach a separator between the cable and external box device, cut-off the cable ... in suspending stage. However, Stryker teaches the APA controller (col 3, ln 23-45)/ Q-switches or other isolation logic (col 5, ln 5-34)/ the CSEL signal on the ATA interface, disabling the mass storage devices/ a device 1 drive inactivates a drive (col 4, ln 27-45).

It would have been obvious to apply the teaching of Stryker to APA in order to provide a single channel accesses to the drive is optimized and allows for greater compatibility with existing software utilities.

2. Claims 3, 5, 7, 9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Admitted Prior Art (APA) in view of Stryker et al (US. Patent 6,460,099 B1) and further in view of Matsushashi et al (Selective Radio Call Receiver).

As to a system of claim 3, refer to the rejection of claim 1. Further, APA does not teach identify the specified message. However, Matsushashi teaches the identified message data (page 1).

It would have been obvious to apply the teaching of Matsushashi to APA in order provide a selective for received distribution data which can be identified corresponding to the contents and the output processing.

As to the invention of claim 5, see the rejection of claim 4.

As to the invention of claim 7, see the rejection of claim 4.

As to the invention of claim 9, see the rejection of claim 8.

Art Unit: 2126

3.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LeChi Truong whose telephone number is (703) 305 5312. The examiner can normally be reached on 8 - 5.

Fax phone: AFTER_FINAL faxes must be signed and sent to: (703) 746-2738, OFFICAL faxes must be signed and send to: (703) 746-7239, NON OFFICIAL faxes should not be signed, please send to: (703) 746-7240

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703 305 9000.

LeChi Truong
July 11, 2003



JOHN FOLLANSBEE
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100